

Patent Abstracts of Japan

Best Available Copy

PUBLICATION NUMBER : 07046374

PUBLICATION DATE : 14-02-95

APPLICATION DATE : 30-07-93

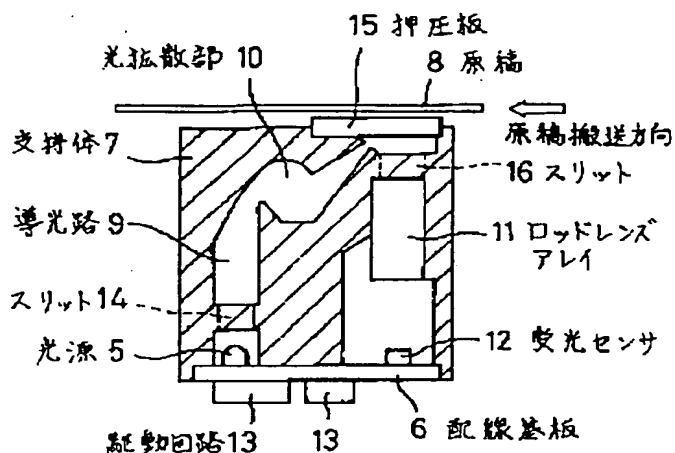
APPLICATION NUMBER : 05208626

APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : AKAMATSU AKIRA;

INT.CL. : H04N 1/028 G02B 6/00

TITLE : CLOSE CONTACT IMAGE SENSOR



ABSTRACT : PURPOSE: To improve resolution, a bright output and a bright output dispersion characteristic by providing a supporting body with a waveguide and a light dispersion part and uniformly irradiating only an original reading part with light without leaking light from a light source.

CONSTITUTION: The supporting part 7 is provided with the waveguide 9 and the light dispersion part 10. Light from the light source 5 advances along the waveguide 9 and repeats irregular reflection plural times and uniform light is projected from the outlet of the waveguide 9 to an original 8 to irradiate it. The outlet of the waveguide 9 is arranged in the vicinity of the reading part of the original 8 and only the reading part is irradiated with light. Since the generation of light loss, uneven illuminance and stray light can be sharply reduced, the resolution, bright output and output dispersion characteristic of the image sensor can be improved.

COPYRIGHT: (C)1995,JPO

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.